RECORD

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Reed C. Rollins
Gray Herbarium
Harvard University
Cambridge, Mass.

1937 - 1938

Reed C. Rollins
Gray Herbarium
Cambridge, Mass.

Collect *Stanleya* on Hams Fork - type locality of S. *viridiflora* Nutt.

Haplopappus contractus Hall. -

Fort Bridger, Wyo. - rare - only 1 collection

Eastern Slope of Big Pack Mt. - west of Agency Draw

On Eocene, Green River Shale - Atriplex-Tetradymia desert. -

Wyoming

1610 Arabis -
Limestone outcropping near City Spgs. - 2 mi east of Laramie, Albany Co. June 8, 1937. - 7,800 ft.

1611 Lesquerella - as 1610 montana (Gray) Wats.

1612 Lesquerella - as 1610 argentea (Pursh) Macm.

1613 Draba - as 1610

1614 Arabis lignifera A. Nels.
Rocky hillside near Lyman, Uinta Co., 6,500 ft
Fls pinkish. small - plants usually branched of near base but often simple., pubescence fine & branched. - plants in open dwarfed - those among sagebrush larger & more succulent. - pods pendulous - not strictly reflexed.. June 10th

1615 Penstemon radicosus A. Nels.
Stems several as 1614 -

1616 Descurainia - as 1614 andrenarum (Ckll) Payson
Sandy soil among the sagebrush

1617 ~~Cogswellia~~ Cymopteris bulbosa A. Nels.
AS Mathias
as 1616 scopulorum Cov. (acc. to Blake)

1618 ~~Agoseris~~ Crepis (modocensis Greene)
Rocky ground - as 1614

1619 Townsendia sericea Hook.
as 1618

1620 Cryptantha flavoculata (Nels.) Payson
as 1618

1621 Phlox longifolia Nuttall
Sandy soil - - as 1618

1622 Astragalus decumbens (Nutt.) Gray
Sandy soil - as 1618

Wyoming.

1623 Trifolium andinum Nutt.
Rocky hillside near Wyman, Uinta Co. -
el. - -6,500 ft.-

1624 Trifolium Andinum Nutt. var.
as 1623

1625 Astragalus spatulatus Sheld. var simplex Tides.
as 1623

1626 astragalus spatulatus Sheld. var. simplex ..
as 1623

1627 Eriogonum ovalifolium Nutt.
as 1623

1628 Applopappus acaulis (Nutt) Gray
Rocky hillside near Wyman - sandy soil
June 10, 1937

1629 Eriogonum caespitosum Nutt.
as 1628

1630 Antennaria arida E. Nels.!
as 1628

1631 antennaria aprica Greene
as 1628

1632 Atriplex Gardneri (Moq.) Standl. var,
under-ground stem often as much as 1 inch
in diameter. as 1628
forming mats in clay soil

1633 Atriplex Gardneri (Moq) Standl.
forming mats in clay soil - as 1632

1634 Malvastrum - Spaeralcea coccinea (Pursh) Rydb.
subsp. dissecta (Nutt.) Kearney
sandy soil - as 1628

Wyoming

1635 Oenothera caespitosa Nutt. var. montana (Nutt.) Durand
Clay soil on hillside near Lyman
June 10, 1937 - fls white
strigosa Nutt. det by Blake
1636 Townsendia (incana Nuttall)
as 1635 - sandy soil among rocks
Rays white to pink
1637 Eriogonum salsuginosum Hook.
Chenopodiaceae? as 1636
fls lemon yellow
1638 Lappula Redowskii (Hornem.) Greene
var. desertorum (Greene) Jhtn. ?
Clay soil - fls white or bluish
1639 Xylorhiza - Aster xylorrhiza T. & G.
clay soil as 1636 - rays white - disc yellow
1640 oryzopsis hymenoides (R. & S.) Ricker
Rocky hillside near Lyman - -
1641 phlox Hoodii Richardson
clay soil - fls white. as 1635
1642 phlox Hoodii Richardson
as 1641 - flr white
1643 Penstemon arenicola A. Nels.
near Blacks Fork River - 3 mi no. of Lyman
June 10,'37 - Sandy soil in a ravine
Fls blue
1644 Commandra pallida A.DC.
as 1643
1645 Cryptantha caespitosa (Nels.) Payson
Sandy knoll - as 1643
petals white - center white or yellow

Wyoming

1646 Lupinus Greenei A. Nels.
Sandy ravine - near Blacks Fork,
3 mi no. of Lyman - Fls reddish purple

1647 Phlox longifolia Nuttall
among sagebrush + on bowlders - as 1646
Fls white to pink

1648 Astragalus confertiflorus Gray
Fls white - clay soil - bluffs of Blacks
Fork - as 1646

1649 Lithospermum incisum Lehm.
Sandy hillside - fls yellow. as 1646

1650 Astragalus racemosus Pursh
Shale
(Limestone) outcropping - as 1646
fls white. -

1651 Cryptantha sericea (Gray) Payson?
Fls white - inflorescence bracteate, shale
hillside - as 1646

1652 Oxytropis saximontana A. Nels.
as 1646

1653 Physaria didymocarpa (Hook) Gray
as 1646

1654 Crataegus rivularis Nutt Type locality
near Blacks Fork - Tree about 15 ft
high - bark reddish - fls white.

1655 Arabis lignifera A. Nelson
among sagebrush - fls pink - pods
pendulous - plants variable in
size. - as 1646.

1656 arabis pubescula Nuttall
among sagebrush and Grayia on sandy knolls - near Blacks Fork, 3 miles north of Wyman, Uinta Co., June 10, 1937 - Fls white, small - stem several - perennial.

1657 arabis Holboellii var. retrofracta
pods strictly reflexed - habitat same as 1655 June 11, 1937 - same cite as 1656

1658 Oenothera caespitosa Nutt. var. montana (Nutt.) Durand
Sandy ravine - as 1656. June 11
Fls white to pink - leaves entire or toothed

1659 astragalus chamaeleuce Gray
Summit of a low rocky knoll, June 11, 1937 - as 1656

1660 Castilleja chromosa A. Nels.
Sandy soil among sagebrush - near junction of Hams Fork & Black's Fork - 16 miles so. east of Wyman. Uinta co., June 11, 1937 -
Fls carmine.

1661 Oenothera trichocalyx Nuttall
sandy soil. fls white. as 1660

1662 Townsendia strigosa Nutt. - det. by Blake (~~incana Nuttall~~)
Rocky soil on a knoll - rays pinkish as 1660

1663 Trifolium andinum Nuttall.
Sandy hillside among sagebrush as 1660

Wyo.

1664 Vicia linearis (Nutt.) Greene
Sandy hillside near Blade's Fork
16 mi so. east of Wyman – June 11

1665 Descurainia andrenarium (Ckll.) Payson
among the sagebrush – as 1664

1666 Cogswellia macrocarpa (H. & A.) Jones
= Lomatium macrocarpum (H. & A.) C. & R. acc. Mathias
Clay soil – as 1664

1667 Umbelliferae – Cymopteris bulbosa A. Nels.
OK Mathias
Rocky knoll – as 1664

1668 umbelliferae – Cymopteris Fendleri Gray
= C. acaulis (Pursh) Raf. acc. Mathias
Rocky knoll – clay soil – as 1664

1669 Trifolium gymnocarpon Nuttall
clay Bank – as 1664.

1670 Arabis lignifera A. Nels.
among the sagebrush in sandy soil – pods
pendulous – flr pinkish. – as 1664

1671 Astragalus convallarius Greene var.
diversifolius (Gray) Tidestrom
Clay hillside – fls white – as 1664

1672 Astragalus Purshii Dougl.
Sandy hillside – as 1664

1673 Chaenactis Douglasii (Hook.) H. & A.
Loose rocky soil on a talus slope
flr white – as 1664

1674 ~~Chaenactis~~ Hymenoxys [illegible] Nutt.
H. scaposus Rydb.? acc. to Blake
exposed rocky knoll – flr yellow
as 1664

1675 Asclepias cryptoceras Watson
protected hillside in sandy soil..

Wyo.

1676 Cryptantha flavoculata (Nels.) Payson
pets white - yellow center - turning white -
among sagebrush - Lonetree - McKinnon
sandy to gravelly soil Uinta Co., June 14, 1937

1677 Arabis lignifera A. Nelson
Fls pink - pods pendulous - as 1676
steep hillside

s. 1678 Penstemon ~~acaulis~~ caespitosus Nutt., ssp. typicus Keck
Rocky hillside - fls blue. —

1679 Penstemon Cleburnei Jones
exposed rocky hillside - fls purple

1680 ~~Cryptantha~~ Lappula
Fls blue - as 1679

1681 Lesquerella condensata A. Nels.
ls Exposed rocky knoll - as 1679

1682 Arabidopsis virgata (Nutt.) Rydb.
among sagebrush - fls small & white
as 1676

1683 Gilia spicata Nuttall
Gravelly hill near Henry's Fork - Lonetree -
McKinnon - June 14 - as above 6000 ft

1684 Lesquerella alpina (Nutt.) Wats.
as 1683

1685 Cryptantha caespitosa (Nels.) Payson
as 1683

1686 Lesquerella alpina (Nutt.) Watson
6000 ft. stems few & consistently so - pedicels more
or less sigmoid. 1/2 mile east of McKinnon
on a gravelly hill summit - June 14, 1937

1687 wyo penstemon acaulis W[redacted] - Type station

6000 ft. Fls blue to purplish - form tufts 1 in. to 4 across - gravelly hilltop 1/2 mi east of McKinnon, Sweetwater Co., Wyo. - June 14.

1688 Utah Lesquerella [redacted]

sandy soil among the sagebrush 2 miles west of ~~McKinnon~~ Manila, June 14, '37 5100 ft

1689 penstemon [redacted].

Fls blue - clumps 6 in. across.

1690. penstemon acaulis - as 1688

as 1688 - 5000 ft. -

1691 Calochortus Nuttallii T. & G.

Bulbs for ex. sac too.

6,000 6,000 18 miles north of Vernal - Uinta Basin. foot hills of Uinta Mts. - ~~6000 ft~~ 6000. - among sage brush on limestone hillside June 14, 1937 - Uintah Co., Utah

1692 Caulanthus crassicaulis (Torr.) Wats.

Limestone rocks - sagebrush - Juniper ass. - as 1691

1693. Gilia [redacted]

as 1692

1694 Chaenactis [redacted]

as 1692

1695 Streptanthella longirostris (Wats.) Rydb.

18 miles southeast of Vernal. red sandstone silt - fls white, buds purple - Uintah Co., Utah. - June 15, '37

1696 phacelia corrugata A. Nels.

open atriplex - Tetradymia flat - gravelly soil. - apparently annual - fls purple

8 miles south of Ouray, Uintah Co.
June 15

1697 Chaenactis Stevioides H. & A.
as 1696

1698 Astragalus Geyeri Gray
as 1696 rare

1699 Euphorbia Fendleri T & G.
flattened with roots wedged in a slatty rock-like material - as 1696

1700 Thelypodium suffrutescens
Limy shale of the Green River Eocene - seemingly restricted to a narrow vertical band of exceedingly limy shale -
clumps 2 - 6 inches across - root large and with a pithy texture. pods erect slightly flattened parallel to septum but nearly round. Eastern slope of Big Pack Mt. - 4 miles west of Willow Creek Uintah Basin, Uintah Co., Utah - June 15, 1937 - alt. 5,500 ft.

1701 Linum leptopoda A. Nels.
as 1700 - Fls yellow

1702 Actinea acaulis (Pursh) Spreng. ~~Nutt.~~ var. arizonica (Greene) Blake
as 1700 - comp - basal lvs entire

1703 Thelesperma subnudum Gray
as 1700 - basal lvs divided - comp -

1704 Gilia Polycladon Torr.
as 1900

1705 Townsendia (incana Nutt.) strigosa Nutt. det. Blake
as 1706

1705a Cryptantha nana (Eastw.) Payson.

Utah

1706 Cryptantha flavoculata (Nels.) Payson
Stems one to few - as 1700

1707 Cryptantha Grahamii Johnston
stems one to few

1708 Physaria didymocarpa (Hook.) Gray
as 1700

1709 ~~Chaenactis~~ ? Hymenopappus lugens Greene
as 1700

1710 Comp. = Aplopappus Nuttallii T. & G.
as 1700

1711 Cryptantha nana (Eastw.) Payson
stems numerous - as 1700

1712 Erigeron argentatus Gray
as 1700

1713 Delphinium Geyeri Greene
as 1700

1714 Yucca Harrimaniae Trel.
as 1700

1715 Cryptantha Rollinsii Johnston
Shale hillside near Willow Creek
Thorne Ranch - June 16, 1937 -

1716 Crypstantha Grahamii ~~Comp.~~ Johnston
Shale hillside near Willow
Creek - 12 miles south of
Ouray - Uintah Co., Utah - June 16
6,000 ft.

1717 Comp..
as 1716

Utah

1718 Stanleya [illegible] ?
Fls yellow - pods arcuate - stems several to numerous - shale outcrops Green River Eocene - near Willow creek 22 miles south of Ouray Uintah Co., June 16, '37 - 5,000 ft

1719 Ephedra Torreyana Watson
as 1718 - fls yellow

1720 Mentzelia
as 1718 fls yellow

1721 Brickellia oblongifolia Nutt. comp var. linifolia (Eat.) Robinson
Fls white · open at nite close in daytime - pungent odor ..
as 1718 - shrubby - stems numerous

1722 Aplopappus Nuttallii T. & G. ~~comp~~,
as 1718 shrubby - stems several to numerous - same sp. as 1710

1723 Lepidium montanum Nuttall var. Jonesii (Rydb.) C. L. Hitchc.
abundant among the sagebrush
as 1718

1724 Coldenia Nuttallii Hook. ~~Verbena~~
Sandy creek bed - near Willow creek - 16 miles south of Ouray June 16, '37 - fls bluish pink 5,500 ft.

1725 Helianthus petiolaris Nutt.
Rocky knoll - as 1724

1726 Gilia leptomeria Gray
sandy soil - fls white - as 1724

Utah

1727 Eriogonum inflatum Torr.
Rocky knoll near Willow Creek
5,500 16 miles south of Ouray - Uintah Co.
June 16, '37 - fls yellow - 5,500

1728 Spergularia? [illegible]
steep rocky hillside - rock looks
igneous, 10 miles south of Ouray
Uintah Co., June 16, '37

1729 Malvastrum Sphaeralcea grossulariaefolia (H.+A.) Rydb.
subsp. pedata (Torr.) Kearney
as 1728

1730 Bahia oxylepis Blake Compositae
as 1728

1731 Sphaeralcea Parvifolia A. Nels. ~~munroana (Dougl.) Spach.~~
Atriplex - Tetradimia flat - 8 miles south
of Ouray - June 16.

1732 Lupinus pusillus Pursh
Gravelly bench land - near
Ouray - June 16 - 5,000

1733 Hedysarum gremialis sp. nov.
Heavy doby soil in a narrow ravine
Stems numerous from a woody base
Fls carmine to bluish - 14 miles
west of Vernal - Uintah Basin June 16
alt 5200 ft.

1734 Cryptantha flava (Nels.) Payson
Sandy soil among the sagebrush
Fls yellow (golden) - as 1733

1735' Cryptantha flava (Nels.) Payson
Heavy soil in a ravine - as 1733
~~fls yellow (golden)~~ Fls ~~[illegible]~~ golden yellow

1736 Cryptantha breviflora (Osterh.) Payson
Heavy limy soil on a hilltop
a 1733

1737 Eriogonum Shockleyi Watson rare
Forming mats 4 to 10 inches across
heavy limy? soil - fls white -
as 1733

1738 Eriogonum ~~Sock~~ ovalifolium Nutt. var. purpureum (Nutt.) A. Nels. ~~Shockleyi Watson rare~~.
Fls white - clumps 6 to 10 inches
across - stems numerous.

1739 Cymopterus longipes Watson umbellifer
(Mathias called this C. duchesnensis M. E. Jones
Clay soil on a hillside
as 1733

1740 Hymenopappus [illegible] Greene composite
clay hillside - as 1733 - fls yellow

1741 [illegible] Blake composite
Disintegrate sandstone - slopes of
a ravine - as 1733 - stems several per clump.

1742 Gilia congesta Hook. var. Burleyana (Nels.) Constance & Rollins
Sandy soil among the sagebrush
as 1733 - fls white.

1743 Astragalus
Fls purplish - sandy soil among the
sagebrush - as 1733

1744 Astragalus convallarius Greene var. diversifolius (Gray) Tidestrom
fls white - clay hillside - as 1733

Utah

1745 Arenaria capillaris Poir
Dry disintegrated sandstone hillside
Fls white or greenish – stems several
14 miles west of Vernal, Uintah Co.,
alt. 5200 ft — June 16 –

1746 Euphorbia philara (Ckll.) Tidestrom
stems numerous from a woody
caudex – sandy soil among the sage
brush – – as 1745

1747 ~~[illegible]~~ Psoralea mephitica Wats.
Fls blue – perennial, as 1745
Heavy clay soil –

1748 Arabis pulchra
Fls white – pods pendulous – sandy
soil among the sagebrush on a
low hill. – as 1745.

1749 Oryzopsis hymenoides (R.&S.) Ricker
Stems numerous — disintegrated sand stone
hillside – as 1745

1750 Oryzopsis hymenoides (R.&S.) Ricker
Stems few – spikelets larger than the above
growing in heavy clay – as 1745

1751 Menzelia albicaulis Dougl.
fls yellow – foothills of the Uinta Mts
growing among the sagebrush. 10
miles no. of Vernal, Uintah Co.,
June 17, '37 – alt 5,700 ft.

1752 Cryptantha Bakeri (Greene) Payson
among the cedars (Junipers)

on a steep slope - heavy soil

1753 Arabis lignifera A. Nelson! as 1751
Steep slope in limy soil - among & under the junipers - pods pendulous - fls pink - as 1751

1754 Cryptantha breviflora (Osterh.) Payson
Sandy knoll - 14 miles north of Vernal - foothills of Uinta Mts
alt. 6000 ft. - June 17, '37.

1755 Wyethia scabra Hook. composite
as 1754

1756 Astragalus tenellus Pursh
fls white - as 1754

1757 Arabis pendulina Greene
among sagebrush + Junipers on the summit of a high knoll - limy rock outcrop - Foothills of Uintas - 18 miles north of Vernal - Uintah Co., June 17, '37 alt 6500 ft.

1758 Lesquerella n. sp.
Lesquerella ~~[illegible]~~
as 1757

1759 Erysimum wheeleri Roth.
Steep slope among Cercocarpus
18 miles north of Vernal - alt 7,000

1760 Arabis sparsiflora
Stems simple or branched - fls pink
as 1759

1757a Hedysarum - adobe or heavy clay soil, in the open.

18 ~~Utah~~

1761 Arabis hirsuta
Steep slope among cercocarpus -
18 miles no. of Vernal - foothills of
Uinta Mts., elev. 7,000 ft. June 17, '37

1762 Mimulus guttatus DC.
var Spring in wet sand - 18 mi no.
of Vernal etc. -

1763 Thlaspi glaucum A. Nels.
Uinta Mts. ~~&~~ Vernal - Manila -
30 miles south of Manila in
Ponderosa pine forest floor.
June 17, 1937 - 8,500 ft

1764 Arabis Drummondi
as 1763

1765 Arabis Holboellii var. retrofracta
among the sagebrush - 25 miles
so. of Manila - alt. 8,000 ft -
Fls white. pods strictly reflexed

1766 Arabis (hirsuta?)
Mountain meadow in moist ground
Fls white - erect. - - as 1765

1767 Arabis ~~sparsiflora~~
among ponderosa pine. Flrs
purplish - pods arcuate - as
1765

var. lagocephala [illegible] ! [illegible]
Sharp

1768 Balsamorhiza hirsuta Nutt. (var. neglecta)
Sharp
Rocky hillside among the sagebrush
2 miles south of Sheep Creek -
Uinta Mts. - 60 mi so. of Manila

June 17. '37 - alt. 7,500 ft.

1769 Actinea acaulis ~~Nutt.~~ (Pursh) Spreng. [illegible] (Shaw) [illegible]
as 1768

1770 Cryptantha flavoculata (Nels.) Payson
as 1768

1771 Delphinium Geyeri Greene
Sandy hillside near Sheep Creek
7 miles south of Manila - stems
few to several - June 17, '37 alt 6,000

1772 Cryptantha sericea (Gray) Payson
heavy clay soil near Sheep Creek
as 1771 Utah - Daggett Co. -

1773 Sisymbrium linifolium Nutt.
Rocky hillside near Lyman, Uinta Co,
Wyo - June 21, 1937 - Fls yellow
6,500 ft

1774 Tanacetum Nuttallii T. & G.
as 1773

1775 Lesquerella argentea (Pursh) MacM.
exposed knoll in the Juniper - limy
soil - 1 mile north of Fort Bridger, Uinta
co., June 21, 1937 6,500 ft.

1776 Aplopappus ~~amplexicaulis~~ acaulis (Nutt.) Gray
Limy shale outcropping - as 1775

1777 Arabis Holboellii var. retrofracta
among sagebrush & on the lee of
Junipers - sandy or limy soil.
as 1775

1778 Stanleya pinnata var. gibberosa
Limestone shale hillside - as 1775

1779 Penstemon [illegible] Nutt.
[illegible]
Sandy soil among the sagebrush & Junipers - 1 mile north of Fort Bridger, Uinta Co., June 21,'37 alt 6,500

1780 Streptanthus cordatus Nutt.
Limy soil among sagebrush & Junipers
as 1779

1781 Gilia congesta Hook.
Loamy soil on a hillside
as 1779

1782 Pteryxia terebinthina (Hook.) C. & R.
~~longilobum~~ var. calcarea (Jones) Mathias
cracks in the sandstone - 15 miles north of Carter, Uinta Co., June 22'37 alt. 6,000 ft.

[illegible]

1783 Streptanthus [illegible]
Sandy soil among the Junipers. as 1782

1784 Arabis lignifera A. Nels.
pods spreading - shade of Junipers
as 1782

1785 Cryptantha caespitosa (Nels.) Payson
heavy soil on an open knoll - as 1782

1786 Gilia congesta Hook.
as 1785

1787 Applopappus armerioides (Nutt.) Gray
as 1785

1788 Streptanthella longirostris (Wats.) Rydb.
Very sandy soil among cedars - as 1782

1789 Arabis Holboellii var. retrofracta
pods strictly reflexed - as 1782 (open)

1790 Draba stenoloba Ledeb. var. nana (Schulz) C.L.H.
Woody [illegible]
[illegible]
alt [illegible]

1791 [illegible]
[illegible]

1792 [illegible] A. Nels.
[illegible] 1791

1793 [illegible] argentea (Pursh) Macm.
[illegible]
16 miles [illegible]
alt [illegible] 29

1794 [illegible] wheeleri Rotter.
[illegible] 1793

1795 ~~[illegible]~~ Vicia linearis (Nutt.) Greene
[illegible]
[illegible]
alt. [illegible]
[illegible]

1796 Cryptantha thyrsiflora (Greene) Payson
on [illegible]

1797 Arenaria pinetorum A. Nels.
[illegible]
[illegible]

1798 [illegible] philara (Ckll.) Tidestrom
on [illegible] - sandy soil.

Colorado

1799 Lesquerella intermedia (Wats.) Heller
Stony hillside - pinion-Juniper
10 miles south of Pueblo, Pueblo
Co., alt. 5000 ft. - July 2, 1937

1800 Lycium pallidum Miers ~~[illegible]~~ - -
hillside - pinion-Juniper - near
Aguilar - Las Animas Co. - altitude.
6,000 ft - July 2, 1937

1801 Arenaria Fendleri Gray
grassy slope under P. ponderosa
stems several per clump. - 2 miles
north of Purgatoire River - 26 miles
no.-west of Trinidad, Las Animas Co.,
July 3, 1937 - alt 7,500 ft.

1802 Scutellaria Brittonii Porter
Sandy soil in open pine-woods
as 1801

1803 Anemone globosa Nutt.
Fls white - grassy hollow
as 1801

1804 Draba streptocarpa Gray
Steep moist bank - as 1801

1805 Sisyrinchium angustifolium Miller
along a stream in moist grassy
~~place~~

✓
1806 ~~Helianthus sp.~~? Heliopsis scabra Dunal ?
moist swale as 1801 ! Blake

1807 Clematis Scottii Porter
Dry bank - stems single or in

clumps - as 1801

1808 Thalictrum venulosum Trel.
Stems single - Dry hillside
as 1801

1809 Zinnia grandiflora Nutt.
see 2016 Calcareous outcrop ~~on~~ pinon hillside
2 miles east of Trinidad, Las Animas
✓ Co., Colo - July 4, 1937 - elev. 6,500 ft.

1810 Actinea ~~Aplopappus~~ acaulis (Pursh ~~Nutt.~~) Spreng.
as 1809 fls yellow

1811 Thelesperma gracile (Torr.) Gray ~~Hymenopappus~~
as 1809 fls yellow - rayless

1812 Euphorbia [illegible] marginata Pursh
waste ground as 1809
apparently annual.

1813 Calochortus Gunnisonii Wats.
Steep slope among oak brush - 1 mi
M so. of Morley - ~~Raton~~ Trinidad-Raton.
Las Animas Co., Colo - alt 7,500 ft.

1814 Penstemon Brandegei Porter
Dry bank - fls purplish - as 1813
~~stems one or two or~~ more rarely ~~several~~

1815 Erysimum wheeleri Roth
Fls orange - stems simple or branched
above - among the oaks - as 1813

1816 Lesquerella montana (Gray) Wats.
var. suffruticosa Payson
~~Stems decumbent except young plants~~
as 1813

1817 Penstemon gracilis Nutt.
Fls pale purplish - as 1813

Colorado

linariaefolium (Gray) Payson

1818 Sisymbrium linaraefolium
1. mi so of Morley - Las Animas
Co., elev. 7,800 ft — among the rocks
on a steep hillside - fls pink - July 4, '37

1819 Robinia neo-mexicana Gray
Pergatoire River 18 miles north-
east of Trinidad, Las Animas Co.
elev. 5,500 ft — July 6, 37

1820 Lycium pallidum Miers
Shrub 1-4 ft — berries reddish
Heavy clay-like soil - open flat
about 20 miles no.-east of
Trinidad, Las Animas Co — elev. 5,800 ft.
July 6 -

1821 Aplopappus F[illegible]
3 miles north of Model along abandoned
road - Las Animas Co., July 6 - alt 5,500 ft -

1822 Stanleya pinnata (Pursh) Britt.
Open clay-like heavy soil - 2 mi
south of Thatcher, Las Animas, Co.
alt. 5400 ft - plants woody at base
branched all the way into inflorescence
1 - 3 ft high - July 6, '37

1823 (~~Lippia~~) Teucrium laciniatum Torr.
Roadside 2 miles west of Thatcher
as 1822

1824 Paronychia diffusa A. Nels. ?
Stony hilltop - Pinon - Juniper.
area - 6 miles west of Thatcher
July 6 - alt 5,500 ft.

1825 Lesquerella Fendleri (Gray) Wats.
abundant as 1824 - limy outcropping

1826 Lesquerella ovalifolia Rydb.
rather rare - as 1824 - Limestone

1827 Hoffmanseggia Jamesii T. & G. [illegible]
protected on rocky hillside by yucca
3 miles east of Alcreek, at the
foot of Mesa De Maya, Las Animas
Co, alt. 5,500 ft.. July 7, '37

1828 Ipomoea leptophylla Torr.
Fls pink - as 1827 - stems 1-3 feet long
from a perennial root

1829 Aplopappus spinulosus (Pursh) DC.
open rocky knoll near Alcreek - 3 miles
north of Mesa de Maya - as 1827

1830 Melampodium leucanthum T. & G.
as 1829

1831 [illegible]
perennial & woody at base - almost a bush
1-2 ft high - as 1829

1832 composite
apparently unusual - only plant found

1833 Oenothera lavandulaefolia T. & G.
Fls yellow 1 to several per plant -
gravelly hillside - 8 miles south of Kim,
Las Animas Co., alt 5700 ft., July 7.

1834 Solidago trinervata Greene !
Sandy soil among oak brush
northern slope of Mesa de Maya,
60 miles east of Trinidad,
Las Animas Co., alt 6,000 ft. -
July 10, 1937

1835 Philadelphus microphyllus Gray ?
~~Physocarpus~~
Shrub 3-6 ft high - among
igneous rocks - fls white
as 1834

1836 Ptelea Baldwinii T. & G.
Shrub 2-5 ft high - as
1835

1837 Penstemon barbatus (Cav.) Roth.
var. Torreyi ~~Gray~~ (Benth.) Gray)
as 1836 fls red.

✓
1838 Hymenopappus ~~tenuifolius~~ Pursh !
as 1835 - rayless - fls
white.

1839 Erysimum asperum DC.
among the rocks - as 1835

1840 Aristida longiseta Steud.
Tufts among rocks on top of the
mesa - as 1835

1841 (Spiraea) Holodiscus dumosus (Nutt.) Heller
Shrub 4-7 ft high - Dry hillside
& canyon bottom among oakbrush
San Francisco canyon, northern
slope of Raton mesa, Las Animas Co.,
July 11, 1937 - alt 7,500 ft.

1842 ~~Ribes~~ Physocarpus monogynus (Torr.) Coult.
unarmed shrub 6" - 18" high - dry
bank. - as 1841

1843 Anemone canadensis L.
~~Moist~~ Dry hillside among oak brush at
the head of San Francisco Canyon, No.
slope of Raton Mesa, July 11, '37 - alt. 8,000
Fls white - Was Animas County

✓
1844 Osmorhiza divaricata Nutt.
= O. obtusa (C. & R.) Fernald - acc. Mathias
Moist bank toward the head of
S.F. canyon -- as 1843. - 7,500

1845 Polemonium occidentale Greene
North slope of Raton Mesa near the
top - head of S. F. Canyon - as 1843
Musty odor - 8000ft

1846 Aquilegia coerulea James
Fls blue - as 1845

1847 Phacelia heterophylla Pursh
Fls white - as 1845

1848 Castilleja miniata Dougl.
as 1845 - stems several from base

1849 Draba candicans C. L. Hitchc. ined.
Forming tufted mats in crevices of rocks.
vertical cliffs on north slope of Raton
mesa - as 1845 - fls white.

1850 ~~[illegible]~~ Phacelia neo-mexicana Thurb.
annual - flr pinkish - as 1845

1851 Heuchera versicolor Greene
Rock crevices in the cliffs on north
side of Raton Mesa, head of S. F. Canyon
July 11, '37 - Las Animas Co., alt. 8,000 ft. -
Fls pink.

1852 Oxytropis patens (Rydb.) A. Nels.
Grassy hillside on top of Raton Mesa
[illegible] Fls pink -- as 1851 - 8,500 ft. -

1853 Calochortus gunnisonii Watson
dry hillside - north slope of Raton mesa.
as 1851 - alt - 8,000 ft.

1854 Robinia neo-mexicana Gray
Fls pink - abundant on the whole
north slope of Raton Mesa. - 10 to 20 ft
high -

1855 Jamesia americana T. & G.
Shrub 4 - 10 ft high - among large boulders
Fl's white. - as 1854 - near top.

1856 Physocarpus monogynus (Torr.) Coult.
Small shrub 1 - 2 ft high - fls white.
near the top of no. slope of Raton Mesa
as 1854

1857 Astragalus racemosus Pursh
open clay-like soil. - near
San F. creek - 12 miles east of
R. Mesa. - Fls white - July 13, '37
alt. 6,000 ft - Stems numerous
from a single crown

1858 Asclepias galioides H.B.K.
Heavy volcanic soil - 2 miles south of Frijoli Hill - 12 mi so-east of Trinidad, Las Animas Co., alt. 6,500
July 13, '37 - Fls white - stems erect

1859 Asclepiodora decumbens (Nutt.) Gray
Asclepiodora
Stems decumbent, two to several from an elongated thick root, Fls greenish.
Frijoli Hill - 10 mi so-east of Trinidad elev. 6,500 ft. - July 13, '37 Las Animas Co.,

1860 Eriogonum Fendlerianum (Benth.) Small
gregarious, fls white - - as 1859

1861 Lesquerella calcicola n. sp.
Limestone outcropping 3 miles east of S.F. Creek, 8 miles northwest of Trinchera Las Animas Co., alt. 6,000 ft., July 13, '37

1862 Pentstemon [illegible] Nutt.
var. caudatus (Heller) Rydb.
stems several to numerous from a crown
as 1861

1863 Gilia spicata Nuttall
Fls white - as 1861

1864 Hedysarum boreale Nutt.
Fls pink - Dry canyon wall - Trinchera Creek near its junction with the Purgatoire River, - about 20 miles northeast of Branson, Las Animas Co., July 14, 1937 - alt 5000 ft.

1865 Cryptantha thyrsiflora (Greene) Payson
Stems two to several from a
lignescent deep root.- fls white with
yellow center.- as 1864

1866 Symphoricarpos occidentalis Hook.
Shrub 1-3 ft high - bottoms of canyons
Fls white.- as 1864

1867 ~~Lithospermum~~ Onosmodium occidentale Mack.
Stems numerous from a large
root.- as 1864

1868 Juniperus monosperma (Engelm.) Gray
. Tree or shrub 6-15 ft high - scragged or
hemispherical in shape.- hillsides &
bluffs of the Pergatoire River 1 mile
south of Higbee, Otero County, Colo.-
Alt. 4000 ft.- July 19, 1937

1869 Eriogonum tenellum Torr. - rare in colo.
Rocky crevices near Purgatoire River
8 miles west of Higbee, Otero Co., July
19, 1937, alt. 4,000 ft. Fls white

1870 petalostemum occidentale (Hel.) Fern.
Sandy soil at the head of an arroyo
20 miles northeast of Branson,
Las Animas County. July 14, 1937
Fls white, stems decumbent or
nearly so - alt 4,500 ft.

1871 Eriogonum lachnogynum Torr. subsp. tetraneuris (Small) Stokes
Stems several from a crown, as
1870 - Fls yellow.

Supposed to be [illegible]

1872 Hedeoma Drummondii Benth.
In crevices of rocks at the head of an arroyo, 15 miles south of Timpas, Otero Co. alt. 4,500 ft. July 31, 1937 - Fls pink.

1873 Pectis angustifolia Torr.
Open sandy soil - 15 miles southeast of La Junta, Otero County, July 24, 1937 alt. 4000 ft.

1874 Euphorbia novomexicana (K.&S.) Wheeler
(E. albicaulis Rydb.)
as 1873 - stems decumbent.

1875 Croton ~~texensis~~ (Klotzsch) Muell. Arg.
as 1873

1876 Euphorbia stictospora Engelm.
as 1873 - Stems more or less erect.

1877 Sphaeralcea angustifolia (Cav.) Don. var. cuspidata Gray
Irrigation canal banks in open soil. Stems numerous from a thickened deep root, fls orange. - Stems 1 - 3 ft high 8 miles northwest of Las Animas, Bent County - July 28, '37 alt. 4000

1878 Tamarix gallica L.
Shrub or small tree (willow-like) canes numerous - 6 - 15 ft high - widely distributed along the Arkansas River & its tributaries. specimens collected near Las Animas on the Arkansas River, Bent Co., Colo - July 28, 37 - 4000 ft

Colorado & Wyoming

1879 Sporobolus airoides (Torr.) Torr.
Sandy soil near the Arkansas River
near Las Animas, Bent Co, July 28, 1937 - alt 4000

1880 Helianthus ~~Nuttallii~~ pumilus Nuttall
+ A.A. Beetle
Stems numerous from a ligneous
root stock, plants bushy - 1½ - 3 ft high
Granitic gravel on eastern foothills of
the Laramie Mountains, 10 miles west
of Cheyenne, Laramie County, Wyo..
alt 7,500 ft. - Aug. 1, 1937
Century for Gray

1881 Polanisia trachysperma
Fls white to pale pink, - Fine
creek gravel - as 1880

1882 Cucurbita foetidissima H.B.K.
not Beetle
Sandy draw - 10 miles south of
La Junta, Otero, County Colo. -
July 16, 1937 - Fls yellow.
4,500

1883 Calochortus gunnisoni Wats.
Grassy slope 3 miles north of Estes
Park, Rocky Mt. Natl Park, Colo. -
Aug. 4, 1937 - alt. 8,500 ft.

1884 Arabis
Roadside on the eastern slope of
Fall River Pass, Rocky Mt. Natl Park
Aug. 4 - alt - 9,500 ft.

lanceolata Royle det. Hitchc.

1885 Draba (Colorado

Fls white - Summit of Fall River pass -
✓ Rky Mt. Nat. park - Aug. 4; 37 alt 12,000 ft.

1886 Chrysopsis (foliosa Nutt.) resinolens A. Nels.!
det by Blake
Eastern slope of Fall River pass - roadside
alt. 9,100 ft. Rky Mt. Nat'l park. Aug. 4,
'37. =

1887 ~~Stanleyella~~ ? Thelypodium [illegible] -
sagebrush slope between ~~[illegible]~~ Gypsum
& Glenwood Spgs - about 20 miles
north
~~south~~east of Glenwood Spgs, (White River Nat.
Forest?), alt. 8,500 ft -
Aug. 4, 1937. - Eagle County.

1888 Mentzelia multiflora (Nutt.) Gray,
Fls yellow - Biennial - open almost
vegetationless hillside - as 1887.

1889 Stanleya pinnata (Pursh) Britt.
Stems 2 - several from a very woody
base - Piny draw between Kremmling
& Wolcott, Eagle Co., Colo. - alt. 7,500 ft -
Aug. 4, 1937

1890 Eriogonum campanulatum Nutt.
Piny outcrop - as 1889

1891 Eriogonum deflexum Torr.
Sandy soil on a mesa - 15 miles
northwest of Grand Junction, Mesa Co.
Aug. 5, 1937 - Alt. 5000 ft.

Colorado

1892 Castilleja linariaefolia Benth.
Stems several from a perennial tap-root, branched above when eaten off. - in a hot canyon of the Little Book Cliffs, 20 miles northeast of Grand Junction, Mesa Co., Aug. 5, 1937 - alt 5,000

1893 Stanleya integrifolia James!
Stems several from a woody base - - as 1892

1894 Amsonia Jonesii Woodson
Stems numerous from sub-terranean roots which form dense clumps - stems 1-2 ft high. - Dry ravine in sandy soil. - near base of Pinon Mesa, 15 miles west of Grand Junction, Mesa Co., alt. 5,000 ft. - Aug. 6, 1937

1895 Cryptantha flava (Nels.) Payson
Stems several from a branched caudex - leaves silvery canescent - calices reflexed in fruit - flowers apparently few per panicle. - near Little Dolores Creek 10 miles west of Glade Park, Mesa Co. Aug. 6, 1937 - 7,000 ft.

1896 Lepidium montanum var. alyssoides (Gray) Jones
Fls white - branched from base & near inflorescence - basal lvs pinnatifid among sage brush - as 1895

Solidago petradoria Blake
1897 (Aplopappus ?, ~~[illegible]~~
Rocky hillside - pinon - Juniper association.
near the head of a tributary to the Little Dolores
River, 7 miles west of Glade Park, Mesa Co.,
alt. 7,000 ft - Aug. 6, 1937

1898 Arabis
among pinons & on cliffs - as 1897

anomala
1899 Fraxinus anomala Torr.
Small tree (willow-like) 5-12 ft high -
branching opposite & bark grey & lightly furrowed.
Eastern slope of Pinon Mesa, - 7 miles
west of Grand Junction, Mesa Co, alt.
6,500 ft - Aug. 6, '37

1900 Psilostrophe tagetina Greene
Dry hillside just below Pinon - Juniper
type. near Unaweep Creek, 5 miles
southwest of Whitewater, Mesa Co.
Aug. 7, 1937 - alt. 5,500 ft.

1901 Arabis Holboellii var. retrofracta. ~~pubescens~~
Among oak brush at about 7,500 ft.
Northwestern slope of Grand Mesa, 6 miles
south of Mesa, Mesa Co, Aug. 8, 19
37. -

1902 Aquilegia coerula James
Grand Mesa on a Rocky slope at
11,000 ft. - 4 miles south of Mesa
Lakes, Mesa Co, Aug. 5, 1937

1903 Sidalcea candida Gray
Forming a patch, fls white.
Grassy slope – ~~[illegible]~~ 5 miles north
of Mesa Lakes, – Mesa Co., Aug. 8,'37
Alt. – 9,000 ft.

1904 Eriogonum umbellatum Torr. var. subalpinum (Greene) Jones.
on top of the mesa on a grassy
hillside – alt 11,000 ft. – 7 miles
north of Mesa Lakes, Grand Mesa,
Mesa Co., Aug. 8, '37.

1905 Eriogonum inflatum Torr.
Fls yellow. – stem inflated – strong perennial
granitic gravel on a hillside, 2 miles
northwest of Gateway, Mesa Co., Aug. 9,'37
alt. – 4,000 ft. –

1906 Fendlera rupicola Engelm. & Gray
Shrub – 4 – 6 ft high – Rocky hillside
as 1905

1907 Gaillardia pinnatifida Torr.
Stony knoll – fls usual color. –
near Dolores River, 1 mile south of
Gateway, Mesa Co., Aug. 9, '37
alt. – 4,000 ft.

1908 Euphorbia Fendleri ~~Engelm.~~ T. & G.
Clear crest – open fine granitic
soil. – as 1907

1909 Stanleya pinnata (Pursh) Britt.?
Rock knoll – Pinon – Juniper type
as 1907

Colorado.

1910 ° Arabis
under the pinons. - as 1907

1911 ° Gilia ~~congesta Hook. var. Burleyana (Nels.) Coulter & Nelson~~ crandallii Rydb.
Granitic soil - outwash from a creek,
2 miles east of Gateway, Mesa Co.,
Alt. 4,000 ft. - Aug. 9, 1937

1912 Gilia congesta Hook var. Burleyana (Nels.) Coulter & Nelson
Scattering at base, among sagebrush, granitic
soil in a valley bottom, as 1911

1913 Cornus stolonifera Michx.
Along West Cr. - 15 miles east of
Gateway, alder bark reddish, flowers
white, 8 - 15 ft high. - Unaweep Canyon
alt. 5,000 ft. Aug. 9, '37

1914 ° Yucca baccata Torr.
Fruits fleshy & reflexed - fruiting stalk
exceeding leaves by less than a foot.
Dry hillside - as 1913.

1915 Physalis Fendleri Gray
dry hillside - Fls yellowish - as 1913

1916 Eriogonum contortum Small
Saline areas on hillsides & in ravines
Atriplex as. - 6 miles north of
Fruita, Mesa Co., Aug. 10, '37 - alt 4,500
Fls yellow. -

Colorado.

1917 Atriplex wolfii Watson
Greasewood flat about 15 miles north of Fruita, Mesa Co., Aug. 10, '37 - Alt. 5,000 ft.-

1918 Peraphyllum ramosissimum Nutt.
Steep slope in oakbrush type, near Plateau Creek - 8 miles northeast of Collbran, Mesa Co., alt 7,500 ft - Aug. 11, 1937

1919 Penstemon comarrhenus Gray
Stems one or two from a root, Fls purplish-tipped with blue.- Stream overflow among oaks & sagebrush.
as 1918

1920 Lepidium montanum var. alyssoides (Gray) Jones
perennial, stems numerous from a root, basal & lower cauline lvs pinnatifid, Canyon of Plateau Creek, 15 miles northeast of Palisades, Mesa Co., alt. 5,000. Aug. 11, 1937

1921 [illegible] purpureo-albus Gray
Among sagebrush northeastern edge of the Uncompahgre plateau, 20 miles southwest of Whitewater, Mesa Co., Aug. 12, 1937. Alt. 6,500 ft. - Fls white

1922 ~~[illegible]~~ Machaeranthera glabella Greene
Rose purple - as 1921

1923 Eriogonum racemosum Nutt.
Fls white - as 1921

1924 Bahia dissecta (Gray) Britton.
Fls yellow - leaves [illegible] found at
Rockville under pine ponderosa, only
about 25 miles southwest of Whitewater.
as 1924 - Alt. 7,500 ft

1925 Solidago ~~trinervata Greene~~ nana Nutt.
as 1924

1926 Eriogonum flavum Nutt.
Fls yellow - as 1924

1927 ~~Smelowskia~~ Talinum parviflorum Nutt.?
Sandy soil - as 1924

1928 Arctostaphylos pinetorum Rollins
Large dense beds 2-4 ft high & 10 or
more meters across, under p. pine
6 miles inside Uncompahgre Nat. Forest,
Uncompahgre plateau - 31 miles southwest
of Whitewater, alt. 8,000 ft. -, sandstone
rock. - Berries beginning to turn red.

1929 Cercocarpus ledifolius Nutt.
Tree 10-12 feet high & trunks up to 4
inches in diam. - under the pines, sparsely
leaved & fruited - older bark flaky & furrowed
as 1928

1930 Arctostaphylos [illegible] Rollins
Smaller beds 10-20 ft across - 1-2 ft
high, & spreading - berries beginning to turn
red. - as 1928

1931 Stanleya integrifolia James?
Stems few to several from a root, lower
leaves with 2-4 divisions, fls [illegible]
green.— Talus slope of sand & shale in
the Colorado National Monument, about 10
miles southwest of Fruita, Mesa Co., alt. 6,000
Aug. 13, 1937.

1932 Ephedra viridis Coville
as 1931 - Stems several ~~from a root~~,

1933 Chrysothamnus viscidiflorus
~~[illegible] Greene~~
var. elegans
Dry, hillside among sandstone rocks.
as 1931

1934 Eriogonum microthecum Nutt. var. rigidum Eastw.
Sandy shaded ravine, stems decumbent,
fls white. - as 1931

1935 Descurainia californica (Gray) Schulz
near the [illegible] Nat. Forest Boundary,
about 10 miles south of Glade Park,
Pinon mesa, Mesa Co., Colo, alt. 8,000 ft.
Aug. 13, '37. among aspen-oak - fls
yellowish or white

1936 Mentzelia pterosperma Eastwood
Shale & coal slack on a north slope
15 miles west of Fruita, Mesa Co, alt. 4,500 ft.
Aug. 14, 1937 - Fls yellowish.

1937 Viguiera multiflora Nutt. var. nevadensis (A. Nels.) Blake
~~[illegible]~~
Root swollen, fls yellow. as 1936

1938 Oxytenia acerosa Nutt. Compositae
Plants 2-3 ft across & high
Stems numerous from a very large perennial root, erect or somewhat decumbent, fls [illegible] clay-like soil at the foot of steep canyon walls of the Colorado River between Palisades & De Beque, Mesa Co. Aug. 16, 1937
5,500 ft.

1939 ~~Atriplex~~ Grayia Brandegei Gray
Stems numerous from a gnarled wood base which often exceed 2 inches in diameter, plants 1-2 ft across - growing on clay outcrops on the south slope of bluffs, 8 miles north of Rifle, Garfield Co., Aug. 17, '37 - 6,[illegible]00 ft.

1940 Atriplex argentea Nuttall
annual - growing among sagebrush on a sandy flat, as 1939

1943 Castilleja linariaefolia Benth.
Red sandy soil along a bank - New Castle - Glenwood Springs, Colorado River Canyon, Stems several from a base, Aug. 17, '37
alt 5,500 ft. - - Garfield Co

1941 Astragalus vespertinus Sheld.
Fls pink or purplish - stems decumbent.
Among sagebrush on a stony slope about 4 miles south of Silt, Garfield Co., Aug. 17, 37 - alt. 6,000

1942 Chrysothamnus linifolius Greene
Shrubs 4-6 ft high - creek bottom
older bark grayish
as 1941

1944 Astragalus pattersonii Gray
Stems numerous from a root - plants
1-2 ft across - Clay - slope hillside
pinon - Juniper type - 15 miles north
of New Castle, Garfield Co., Aug. 11, '37
✓ alt. 7,000 ft.

1945 Solidago trinervata Greene !
Stoloniferous - stems single or several
from a single root..
Oak-brush type at 8,500 ft. -
25 miles south of Rifle, Mesa Co., Colo.

1946 Chrysothamnus viscidiflorus (Hook.) Nutt.
toward var. lanceolatus (Nutt.) [illegible]
Shrub 1-3 ft high - in gully, oak brush
leaves twisted - with gray - as 1945

1947 Sphaeralcea coccinea (Pursh) (Rydb. subsp. elata (Baker) [illegible]
dry bank - flowers orange - alt. 7,000 ft.
30 miles so. Rifle - as 1945

1948 Helianthella microcephala Gray composite
Stems 1-several - lvs + stems scaberous, rays
yellow, disk purple.
Stony shale among pinon - Juniper, 15 miles
south of Delta, Montrose Co., alt. 6,000 ft. -
Aug 21, '37

1949 Senecio ambrosioides Rydb.
Dry hillside among oak-brush - at the
head of Stevens Gulch - 10 miles north
of Paonia, Delta Co., alt. 8,000 ft. - Aug. 25

1950 Chrysothamnus parryi (Gray) Greene
viscid.
Shrub 2-3 ft high, bark sandy colored -
leaves not twisted - as 1949 - dry open area

1951 Lepidium montanum var. spathulatum (Robinson) C.L. Hitchc. wolf
Stems several to numerous from a branching
woody base - all leaves entire - basal leaves
often forming a clump, up to 1½ feet across.
Rocky hillside among sagebrush - 1 mile
north of Paonia, Delta Co., alt. 6,500 ft.
Aug. 23, 1937

1952 Chrysothamnus nauseosus Nutt. var. graveolens (Nutt.) Hall
Shrubs 3-6 ft high - bushy - lower bark
sandy colored - upper branches white.
Creek bottom, ~~N~~ Minnesota Creek, 3
miles south of Paonia, Delta Co., alt. 6,000
Aug. 23. '37

1953 Scirpus paludosus A. Nels.
Growing in clay doby soil in the bottom
of a stream bed, roots submerged by H_2O
2 miles south of Hotchkiss, ~~N~~ North Fk
Gunnison R., Delta Co., alt. 5,000 ft. - Aug 23

1954 Crataegus Nutt)
Muddy Creek of ~~North Fk~~ Gunnison R., about 20 miles N.E.
of Somerset.
Gunnison Co., Colo., Aug. 24, '37 - alt. 7000 ft.

1955 Rust on Amelanchier
as 1954

1956 Clematis ligusticifolia Nuttall
Leaflets nearly all entire, climbing over
Populus - stems 20 - 40 ft long. - Fls white
near North Fork of Gunnison R. - 1 mile west of
Somerset, Gunnison Co., alt. 6,000 ft. Aug. 24,

1957 Distichlis stricta (Torr.) Rydb.
Wet alkali soil - 10 miles west of Hotchkiss, Delta Co., Aug. 24, '37. alt. 5,000 ft.

1958 rust on Amelanchier
affecting fruits mostly -
Rocky hillside 3 miles northeast of Cedaredge, Delta Co., Aug. 25, '37

1959 Salix lutea Nuttall var.
Tree 15 ft high with numerous to few canes from base - near Iron Creek. 10 miles south of Crawford, Montrose Co., Colo. alt. 6,500 - Aug. 26, '37

1960 Salix subcoerulea Piper
Tree 10-15 ft with numerous canes from base - bark younger branches yellowish.
as 1959.

1961 Eriogonum salicinum Greene
Stems several from a very woody caudex Flr white. - Among sagebrush on Poison mesa, 10 miles southwest of Crawford, Montrose Co., alt. 6,000 - Aug. 26

1961a = E. simpsonii Benth. Data as 1964

1962 Eriogonum flavum Nutt.
Forming mats 6"-1' across on sandstone rocks - Fls yellow. - Black Canyon of the Gunnison River, 15 miles southeast of Crawford, alt. 6,500 ft. Aug. 26, Montrose Co. -

1963 Corydalis aurea Willd.
Sandy bank - fls yellow - stems numerous from

base - clumps 1 foot or more across:
as 1962

1964 1964 Tetradymia canescens DC. ~~composite~~
Shrub - 1 ft high - Rocky hillside near Smiths Fork, 6 miles east of Crawford, Delta Co., Colorado, alt. 6,500 ft - aug. 26

1965 1965 Berberis Fremontii Torr.
Shrub 4 - 6 ft - high, berries red in twos, threes etc. or single. - Foliage bluish. as 1964 4 miles south of Crawford

1966 Solidago occidentalis (Nutt.) T.&G. composite
Stems single from an underground rootstalk, - Clay - stony saline soil along a little brook with lanceolatus &c.
10 miles southeast of Delta, Delta Co., alt. 5000 ft. aug. 27.

✓
1967 Chrysothamnus nauseosus Nutt.
Shrubs 4 - 6 ft high in hemispherical bushes - stems numerous from base - older bark grey & fissured - new growth full whitish - clay soil in ravines, 10 miles south est of Delta in Montrose Co., aug. 27. - alt. 5000 ft

1968 Glossopetalon meionandrum Koehne
Shrub less than 1 foot high - highly branched older bark gray. - Rocky hilltops near the Gunnison R. - 8 miles west of Delta, Delta Co., alt. 5,000 - aug 27

1969 Bahia nudicaulis Gray composite
Clay ravines & canyons, fls yellow
stems 1-2 or several - as 1968
near Gunnison R. 8 mi west of Delta,
Delta co., alt. 5000 ft. Aug. 27.

1970 Psilostrophe Bakeri Greene
Ravines usually in [illegible]-sandy soil
very rare - as 1969

1972 (1972) Actinea [illegible] ~~[illegible]~~ [illegible]
var. [illegible] (Greene) [illegible]
Clay-sand hillside. Stems few from
woody base - as 1969

1971 (1971) ~~Gaillardia~~ Gaillardia pinnatifida Torr. ~~composite~~
stems several from a root. - as 1969

1973 Oenothera lavandulaefolia T. & G.
part is var. glandulosa Munz
Fls lemon yellow - turning reddish with
age - as 1969

1974 Brickellia oblongifolia Nutt. ~~[illegible]~~
var. linifolia (D.C. Eat.) Robinson composite
Shrubby forming bushes 1 ft or more
in diam. hemispherical - highly branched
like sage sp.).

1975 Ephedra Torreyana Watson
Clay-sandy hillsides near Gunnison
River, 6 miles west of Delta. [illegible]
data as 1969

1976 Grindelia squarrosa (Pursh) Dunal
var. serrulata (Rydb.) Steyermark
Stony hilltops - as 1975

1977 Sambucus melanocarpa Gray
shrub 1-2 ft high under spruce + aspen
& in open: Uncompahgre Plateau, 30 miles
southwest of Montrose, Montrose Co., at
9,500 ft. Aug. 28.

1978 Thermopsis montana Nuttall
perennial from underground roots, forming
a rather large population on ¼ mile
area under aspens. as 1977

1979 Arabis Drummondii
as 1977

1980 Atriplex canescens (Pursh) Nutt.
shrub 2-4 ft high - scattered among
pinon-juniper. 30 mile mesa, 25 miles
south of Delta, Montrose Co., alt. 7,200
Aug. 28.

1981 Artemisia tridentata Nutt.
Shrub 1-1½ feet high growing with
A. nova under Pinon - Juniper. -
sandy soil - 8 miles west of Montrose,
Montrose Co., alt 6,500 - Aug. 31

1982 Gilia congesta Hooker ~~[illegible] Rydb.~~ var. Burleyana (Nels.) Cov. + Rell.
sandstone rocks in outwash material,
sandy soil of a steep slope, pinon-juniper
near Bostwick Park, 8 miles east
of Montrose, Montrose Co., alt. 7,000
Aug. 31, '37

Colo.

1983 Physaria floribunda Rydb.
as 1982

1984 Arabis
as 1982

1985 Chrysothamnus viscidiflorus (Hook.) Nutt.
Shrub 6" - 2 ft high - older bark grey
sandy soil among sagebrush, 10 miles
south east of Montrose, Montrose Co.
alt. 7000 ft - Aug. 31

1986 ~~Chrysothamnus~~ Tetradymia canescens DC.
Bush 1 ft. high - intricately branched
as 1985

1987 Chrysothamnus vaseyi (Gray) Greene
Less than a foot high - base woody, unbranched
among sagebrush on a dry hillside - 4 miles
north of Ridgeway, Ouray Co., alt. 7,500 ft.
Sept. 1, 1937

1988 Stanleya pinnata (Pursh) Britt.?
Clay - doby soil among pinon-juniper.
Stems few to numerous from a root - leaves
mostly all divided - 10 miles northeast of
Ridgeway, Ouray Co. - alt. 7,500 ft.
Sept. 1, 1937

1989 Cirsium undulatum (Nutt.) Spreng.
Intricately branched all the way up. -
2 - 3 ft high. - near the Cimarron
River among sagebrush on a steep slope
6 miles ~~north~~ south of Cimarron, Montrose
Co., alt. 8,000 ft. - Sept. 2, 1937.

1990 Astragalus Diholcos Tidestrom
Stems numerous from base, 1½-3 ft high, forming hemispherical clumps 2 ft across. - Fls white -- Clay-adobe hillside, Fitzpatrick mesa - 2 miles west of Blue Creek, Gunnison Co., alt. 8,500 ft. - Sept. 2, 1937

1991 Salix ligulifolia Ball.
Tree forming a clump - 15 ft high - older bark gray - along small brook - as 1990

1992 Alnus tenuifolia Nutt.
Dark bark - Tree (clump form) 20 ft high - 2 miles south of Cerro Summit, Montrose Co., Sept. 2, '37 - alt. 8,500 ft.

1993 Salix monticola Bebb.
Small tree erect 10-15 ft high - scarce only a few - older bark reddish.
as 1992

1994 Salix Scouleriana Barratt.
Fairly good-sized tree - 15 ft high - older bark grayish, - as 1992

1995° ~~Polemonium~~ Loeselia pentastemonoides (Jones) comb. nov.
Crack of granite cliff, 6 miles southwest of Sapinero, Blue mesa, Gunnison Co. alt. 8,500 ft. Sept. 3, 1937

1996 Frasera speciosa Griseb.
Cauline leaves whorled, inflorescence branches whorled, Flowering nearly full length - 3-4 ft high, Blue mesa 10 miles southwest of Sapinero, alt. 9,000 ft - Sept. 3, '37
Gunnison Co.

1997 Salix Scouleriana Barratt.

Tree – 15–20 ft. high – several cover to tree but not a clump – trunk 2 in. in diam. under the aspens; as 1996

1998 Juniperus communis L.
var. montana Ait.
In large fan-like whorls – stems recumbent except at end. – 2–3 ft high.
under the aspens – as 1996

1999 ✓ Artemisia cana Pursh
High mesa – 10 miles south of Sapinero Gunnison Co., Sept. 3, 1937 – alt. 8,000 ft.
Shrub spreading 1½ feet high – on the order of A. nova in size & habit.

2000 Lepidium montanum Nutt.
Stems one to several from a perennial root, basal leaves highly dissected.
Among sagebrush on gravel – high mesa 10 miles south of Sapinero etc.
as 1999

2001 [illegible] Crandallii
Sandy soil among oak-brush & sagebrush near the Gunnison River, 2 miles east of Sapinero, Gunnison Co., alt. 7,500
Sept. 4, 1937

2002 [illegible]
Stems several from the basal [illegible] of leaves, exposed hillside in granite soil.
The chief associates are Artemisia frigida & [illegible]. – 5 miles south of Iola, Gunnison Co., alt. 8,500 ft. – Sept. 4, 1937.

2003 Corydalis Brandegei Watson
Fls white with purple beak.
Stems ~~st~~ several to numerous from a succulent tuberous root system, stems hollow, very succulent up to 2 in. in diameter at base - 3 - 5 ft high, open slopes in an association with grasses & forbes — near Lake ~~Irwin~~, Brennan at the base of Ruby Peak - 10 miles west of Crested Butte. Gunnison Co., alt. 10,500 ft - Sept. 6, 1937

2004 Descurainia Hartwegiana (Fourn.) Britt.
stems single, leaves not finely dissected 1 ft to 4 ft high. - fertile hillside near fir trees. - as 2003.

2005 Delphinium subalpinum (Gray) A. Nels.
Stems single or several from a root. 2 - 3 ft. high - as 2003

2006 Salix planifolia Pursh var.
Forming dense growth in patches in a creek bottom, stems more or less decumbent — older bark ashy grey - new dark red. - 3 - 5 ft high.
8 miles west of Crested Butte, Gunnison Co., Sept. 6, - alt. 10,000

2007 Salix pseudo-monticola Ball
Small tree 6 - 12 ft. high forming dense patches in creek bottom - old bark ash-grey - young reddish. Stems more or less decumbent. -
as 2006

2008 Salix Wolfii Bebb.
Low shrub 1-3 ft high forming a
dense growth over the creek bottom
6 miles west of Crested Butte, Gunnison
Co., alt. 10,000 ft. Sept. 6, 1937

2009 Crataegus n. sp.
Tree of few canes with red bark - 10
ft. high - 8 miles south of Iola
along a creek, Gunnison Co. alt. 8,000 ft
Sept. 7, 1937

2010 Eriogonum cernuum Nutt.
near Cebolla creek.
annual - growing in tufts among
sagebrush on a rocky hillside - 10
miles south of Powderhorn, Gunnison
Co., Sept. 7, 1937. - 8,000 ft.

2011 Chrysothamnus depressus Nutt.
Low with woody root - among sagebrush.
8 miles south of Gunnison, Gunnison Co.,
Sept. 7, 1937 - alt. 8,000 ft.

2012 Allium cernuum Roth.
Rocky sagebrush hillside - several plants
together - as 2011

✓

2013 Crataegus saligna Greene
along Antelope creek about 5 miles
north west of Gunnison, tree 10-15
ft high. bark gray. - Gunnison Co.
Sept. 7, 1937 - alt. 7,500

2014 Arabis
Stems several from base - sterile basal portions often clustered, - Rocky exposed knoll 4 miles south of Tomichi Creek, - about 10 miles southeast of Gunnison, Gunnison Co. alt. 8,000 ft. - Sept. 8, 1937

2015 Monolepis nuttalliana (Schultes) Greene
Chenopodiaceae
Clay soil near Lyman, Uinta Co., June 10, 1937 - alt. 6,500 ft.

2016 ~~Actinea acaulis (Pursh) Spreng.~~
This is no. 1810. ~~Calcareous outcrop on pinon hillside 2 miles east of Trinidad, Las Animas county, July 4, 1937. elev. 6,500 ft.~~

2017

Dry knoll near Black's Fork River, 3 miles no. of Lyman, Uinta Co., June 10, 1937 - alt. 6,500

2018 Nama aretioides (H. & A.) Brand
or 1724 Sandy dry creek bed, near Willow Creek, 16 miles south of Ouray Uintah County, June 16, 1937
5,500 ft.
det. C. L. Hitchcock

Colo.

2019 Arabis crandallii
among sagebrush, 12 miles south
of Iola, Gunnison Co., Sept. 7, 1938 T
alt. 8,000 ft.

2020 Arabis Fendleri (Wats.) Greene
under P. ponderosa, 2 miles west of Powderhorn
Gunnison Co., Sept. 7, 1938 T

" " " "

2021 Viola septentrionalis Greene
dry hillside, South Royalton - Sharon, Green
Mts., Windsor county, Vermont May 1, 1938

with T. S. Chandler

2022 Saxifraga virginiensis
exposed cliffs in dry soil, So. Royalton - Sharon,
Green Mts., May 1, '38, Windsor Co., Vt.

2023 Viola blanda Willd.
flo white, ~~dry~~ moist hillside, South Royalton-
Sharon, Windsor county, Vt. May 1, '38

2024 Houstonia caerulea L.
moist hillside, South Royalton - Sharon, Windsor
Co., Vt. May 1, '38

2025 Erythronium albidum L.
moist stream bed, Chester - Ludlow,
Windsor Co., April 30, 1938, Vermont.

2026 Dicentra canadensis (Goldie) Walp.
woods, Chester - Ludlow, Windsor
Co., april 30, 1938, Vt. -

2027 Trillium erectum L.
Moist woods, Chester-Ludlow, Windsor Co.,
Vt., April 30, 1938

2028 Sanguinaria canadensis L.
Moist roadside, near Stafford, Orange Co.,
Vt., May 1, 1938

2029 Corydalis sempervirens (L.) Pers.
alone
Rocky cliffs, Arlington, Middlesex Co., Mass.
May 4, 1938,

2030 Aquilegia canadensis L.
as 2029

2031 Carex plantaginea Lam.
& C.A. Weatherby
Moist run, Granville, Hampden Co.,
Mass., May 8, 1938

2032 Anemone quinquefolia L.
Woods, Huntington, Hampshire Co., Mass.
May 8, 1938-

2033 Tierella cordifolia L.
as 2032

2034 Dentaria diphylla Michx
Moist woods, Berkshire Hills, Granville
Hampshire Co., May 8, 1938

2035 Mitella diphylla L.
as 2034

2036 Prunus cuneata
Killingly, Windham Co, Conn., May 7, 1938

2037 Viola pedata L.
Dry hill, East Granby, Hartford Co., Conn.
May 8, 19~~4~~38 - Rollins & Weatherby

2038 Anemonella thalictroides (L.) Spach.
Rich woods, East Granby, Hartford Co., Conn.
May 8th

new numbers start at
2039

Distribution 1938 Feb.

Skotesberg	395	specimens
Hochreutiner	500	"
New york	465	
Missouri B.G.	465	
Notre Dame	395	
Muencher at Cornell	105	
J. W. Thompson	50	
Howell - Calif. Acad.	28	

Marion Ownbey - Mo. Bot. Gard. - Oct. 4 1938
230 specimens of 1937 collection (not ink)

Dist. 1939

April 30	41 spec. of Stanleya + Physaria given to N.Y.B.G.
" "	28 " " " " U.S.N.H.

Specimens received.

1938	Muenscher ——	21	(cruciferae)
	Howell (calif. acad.)	10	(arabis)
may 1939	Howell (calif. acad.)	46	(cruciferae)
May 1940	" (calif. acad.)	16	(cruciferae

arabis crandallii

12-14 miles south of Iola - among sage brush - stems as much as 2 ft high among the brush - basal leaves 3-4 cm. long & remotely toothed - but mostly entire & leaves smaller.

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Harvard University
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